

Converting Colors

XYZ(13.2878, 8.4119, 60.4257)

Have a look what the booklet for
XYZ(13.2878, 8.4119, 60.4257)
contains.

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Color

**XYZ(13.3334, 8.4505,
60.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	0042D0
RGB	0, 66, 208
RGB Percent	0%, 26%, 82%
CMY	0.9998, 0.7412, 0.1843
CMYK	1.00, 0.68, 0.00, 0.18
HSL	221°, 100%, 41%
HSV	221°, 100%, 82%
XYZ	13.3334, 8.4505, 60.6029
YIQ	62.4540, -84.9180, 30.1700

Conversions

Conversions Part 2

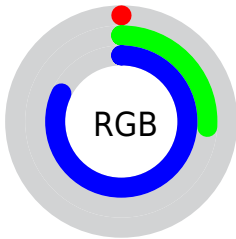
Format	Color
RYB	0, 50, 208
Decimal	17104
CIELab	34.90, 40.39, -76.75
CIELCh	35, 86.727, 297.753
Yxy	8.4505, 0.1618, 0.1026
Android (android.graphics.Color)	4278207184 (0xFF0042D0)
YUV	62.4540, 71.7542, -54.7722
Hunter-Lab	29.0697, 31.0004, -103.2555

Details

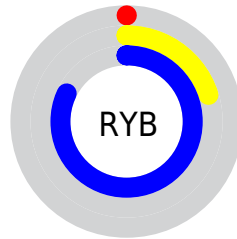
The XYZ color **13.3334, 8.4505, 60.6029** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **35.6935, 32.7715, 4.4457**, and the grayscale version is **4.5548, 4.7920, 5.2184**.

A 20% lighter version of the original color is **29.6608, 22.1382, 97.3175**, and **5.9941, 2.9203, 29.9535** is the 20% darker color. If you saturate the color by 10%, you get **13.3314, 8.4464, 60.6025**, and if you desaturate by 10%, it is **14.5748, 10.4788, 60.9292**.

Distribution



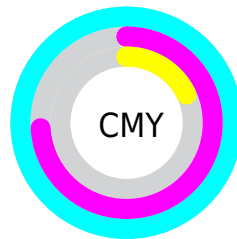
- Red (0%)
- Green (26%)
- Blue (82%)



- Red (0%)
- Yellow (20%)
- Blue (82%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (74%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3334, 8.4505, 60.6029 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.3334, 8.4505, 60.6029 by changing the saturation by 10% instead.

■ 13.3334, 8.4505,
60.6029

■ 13.3334, 8.4505,
60.6029

206.6382,
179.2240, 444.6827

■ 7.7371, 4.3845,
43.4763

■ 31.4977, 22.8370,
107.2557

■ 3.9776, 1.8909,
29.9248

■ 44.7964, 33.9263,
137.6189

■ 1.6895, 0.5429,
19.5300

■ 61.3933, 48.1255,
173.2315

■ 0.4497, 0.0000,
11.8732

■ 81.6538, 65.8190,
214.5119

■ 0.0000, 0.0000,
6.5359

■ 105.9432, 87.3913,
261.8787

■ 0.0000, 0.0000,
3.0996

■ 134.6268,

■ 0.0000, 0.0000,

113.2266, 315.7504

1.1457

168.0700,
143.7094, 376.5455

■ 0.0000, 0.0000,
0.0000

■ 13.3334, 8.4505,
60.6029

■ 13.3334, 8.4505,
60.6029

■ 13.3314, 8.4464,
60.6025

■ 14.5748, 10.4788,
60.9292

■ 16.3646, 13.1167,
61.3441

■ 18.8272, 16.4469,
61.8571

■ 22.0343, 20.5239,
62.4750

■ 26.0479, 25.3961,
63.2039

■ 30.9228, 31.1068,
64.0492

■ 36.7088, 37.6963,
65.0162

■ 43.4516, 45.2019,
66.1095

■ 51.1940, 53.6587,
67.3338

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7.6643, 8.4505, 72.2275



13.3334, 8.4505, 60.6029



19.0801, 8.4505, 32.7778

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.3334, 8.4505, 60.6029



14.2610, 8.4505, 0.0000



1.7790, 8.4505, 8.1725

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.3334, 8.4505, 60.6029



35.6935, 32.7715, 4.4457

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.3695, 8.4505, 0.9721



13.3334, 8.4505, 60.6029



8.4112, 8.4505, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.3334, 8.4505, 60.6029



19.7527, 8.4505, 1.4477



4.3631, 8.4505, 0.0000



2.2078, 8.4505, 28.6439

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.3334, 8.4505, 60.6029



21.3976, 8.4505, 16.2850



4.3631, 8.4505, 0.0000



1.8567, 8.4505, 4.5431

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.3340, 8.4506, 60.6032



57.8246, 59.3433, 103.0145



27.1937, 46.9671, 31.9373



11.5056, 11.7157, 21.9049



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3340, 8.4506, 60.6032



20.9828, 13.0855, 96.0276



12.0690, 4.9074, 59.9859



11.4653, 12.0209, 14.9596



8.3861, 5.4188, 37.7964



0.5399, 0.4450, 2.1370

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.9964, 13.8044, 6.3956



42.7203, 21.8521, 9.7253



39.8656, 54.0354, 8.3302



11.9610, 11.8691, 13.0705



16.8636, 8.6183, 4.1881



0.9787, 0.4962, 0.4229

Previews

White Background



This preview shows how the XYZ color 13.3334, 8.4505, 60.6029 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 13.3334, 8.4505, 60.6029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

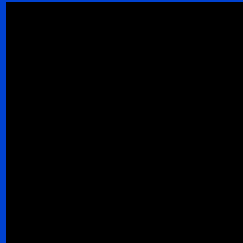
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3334, 8.4505, 60.6029

Background



This preview shows how black text looks on a background with the XYZ color 13.3334, 8.4505, 60.6029.



This preview shows how white text looks on a background with the XYZ color 13.3334, 8.4505,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.3334, 8.4505, 60.6029

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.0528, 8.2936, 26.7676



Tritanopia

5.8524, 8.3267, 12.3651

Trichromacy



Original Color

13.3334, 8.4505, 60.6029

Protanomaly

10.8923, 8.2750, 45.2791

Deuteranomaly

9.5368, 8.0609, 37.1297

Tritanomaly

7.5327, 7.8407, 24.7833

Monochromacy



Original Color

13.3334, 8.4505, 60.6029

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

5.7087, 5.2242, 16.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3334, 8.4505, 60.6029 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 66, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 66, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 66, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 66, 208) }
```

Border

The CSS property to change the border of an element to XYZ 13.3334, 8.4505, 60.6029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 66, 208) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 66, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 66, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 66, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 66, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 66, 208)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3334, 8.4505, 60.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 66, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 66,  
208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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